Fall 2013 Levee Maintenance Deficiency Summary Report Overall LMA & Unit Ratings, including DWR Erosion Survey

San Joaquin River Basin

RD2058 Reclamation District No. 2058	Overall LMA Rating	Total LMA Miles	however, U Rated Miles are present, so the Overall LMA						
Pescadaro	M *	6.71	Rating is M instead of A.						
Rated Item	Maintenance Deficiancy					Enforcement		Design & System Obsolescence	
Rateu item	M Miles	U Miles	M + 4U Miles	Threshold %	M Miles	U Miles	M Miles	U Miles	
Earthen Levee									
Vegetation	0.08		0.08	1.19%					
Encroachments					0.08	0.02			
Erosion / Bank Caving		0.01	0.04	0.60%					
Supplemental							<u>'</u>		
DWR Erosion Survey	0.05		0.05	0.75%					
LMA Totals:	0.13	0.01	0.17	2.53% *	0.08	0.02	0.00	0.00	

LMA District Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 2058 Pescadaro

	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)						
* Overall LMA Rating (Fall Only)			M							
** Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.										
* SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.										
FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports. This rating is not intended to be an indiction of risk.										
Comments										

Unit Cover Sheet

Fall 2013 Levee Inspection Results

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles
Unit No. 01 Paradise Cut	Left	6.71

	Spring (March - May)	Summer (June - August)	(September - November) Fall	Winter (December - February)
Unit Maintenance Rating (Fall Only)			M	
Date of Inspection	05/22/2013 - 05/22/2013		10/29/2013 - 10/29/2013	
DWR Inspector	Maksim Khashchuk		Maksim Khashchuk	
Accompanied By	Greg Pombo		Greg Pombo RD2058	

Summer & Winter Inspections

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

http://cdec.water.ca.gov/lma.html

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	10/29/2013 10/29/2013	Maksim Khashchuk

LMR	Levee		Category	Item	Rating ** + Location	Action/Comment	GPS Latitude		Issue No.
No.	Start	End			on +		Start	End	Photo
1			Earthen Levee	Flood Preparedness & Training	WS A Ma		0 0	0	6
							DWR ID: DWR_RD	02058_01_s _ 2013	_6
2			Earthen Levee	Emergency Supplies & Equipment	WS A Ma		0	0	,
							DWR ID: DWR_RD	02058_01_s _ 2013	_7
3			Earthen Levee	Operations & Maintenance Manuals	WS A Ma		0	0	9
							DWR ID: DWR_RD	2058_01_s _ 2013	_9
4	0.23	0.23	Earthen Levee	Vegetation		V8 : Environmental Requirements. Inspector Comments: Wild rose brush rabbit habitat.	37.804351 ° -121.418433 ° - DWR ID: DWR_RD		
5	0.41	0.44	Earthen Levee	Vegetation	LS C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.803834 ° -121.415720 ° - DWR ID: DWR_RD		
6	0.42	0.42	Earthen Levee	Vegetation	WS C Ma	V2 : Remove the wild growth other than native grasses from the levee slopes. Inspector Comments: Thick vegetation at this point, needs to be removed.	37.803813 ° -121.415578 ° -	121.415578°	
							DWR ID: DWR_RD	12056_01_8 _ 2012	_0
7	0.72	0.72	Earthen Levee	Encroachments	LS A/W Ma	PI : Pipe	37.801807 ° -121.410945 ° - DWR ID: DWR_RD		Υ
8	1.24	1.24	Earthen Levee	Encroachments	CR A/W Ma	PI : Pipe	37.802314 ° -121.401984 ° -		Υ
9	1.72	1.78	Earthen Levee	Vegetation	WS M Ma	V2 : Remove the wild growth other than native grasses from the levee slopes.	37.804333 ° -121.393657 ° -		Υ
10	1.84	1.84	Earthen Levee	Encroachments	LS M En	MA : Material Inspector Comments: Pile of concrete contains rebar on landside slope obstructing visibility and access.	37.804785 ° -121.391524 ° -	37.804785 ° 121.391524 °	
							DWR ID: DWR_RD	02058_01_f _ 2013_	_11
11	2.13	2.13	Earthen Levee	Encroachments	CR A/W Ma	PI : Pipe	37.803903 ° -121.386312 ° -		Υ

* Location LS : Land Side WS : Water Side CR : Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Inspector

Flood Control Project Maintenance Levee Inspections

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2058 Pescadaro

Waterway

Bank Unit Miles

Inspection

	vvalerway				Dalik	Offic Milles	Start/End	mspec	toi
		Unit No. 01	Paradis	se Cut	Left	6.71	10/29/2013 10/29/2013	Maksi Khashcl	
Levee M	ile Category	Item	Rating ** + Location **	Action/Comment			GPS Latitude/L	ongitude	Issue No.
		al DWR Erosion Survey	WS M Ma	Inspector Comments: 08/28/2013: No sobserved. 07/31/2012: Site was visited on 07/26/20 change observed. A new vertical pipe we concrete blocks left on the site. Dense visible at the site. No signs of new leaks siphon breaker. 09/02/2011: Site was not visited due to to 09/22/2010: No significant changes obse downstream, upstream and on the lower have been recently sprayed. These area fenced off during the site visit, making it examine the condition of the lower slope spill from the siphon breaker is creating slope and developing into a headward e problem continues, it will erode the slope the pipe to outside elements. 07/23/2009: A possible leak or spill from is eroding the slope and developing into erosion; a portion of the buried pipe is esslope seems to be lined with chunks of cother rock material. [2013 Site ID:RD208]	on 2. No sas installed as insta	ignificant ed and is om the mit. getation the site so or us to e leak or along the the y expose breaker and ne lower debris or		7.803769 °	1 Y
13 2.26 2	.33 Earthen Levee	Encroachments	LS M En	DT : Ditch			37.803375 ° 37 -121.384196 ° -12 DWR ID: DWR_RD205	1.383078°	
14 2.42 2	.42 Earthen Levee	Vegetation	LS A/W Ma	V4 : Elderberries are blocking visibility a capability. Inspector Comments: Elderberry growing		•		7.802782 ° 1.381413 °	16 Y
15 2.64 2	.64 Earthen Levee	Vegetation	WSA/W Ma	V4 : Elderberries are blocking visibility a capability. Inspector Comments: Elderberry on wat		•	37.801962 ° 37.801962 ° 37.801962 ° -121.377684 ° -12		Υ
¹⁶ 2.66 2	.66 Earthen Levee	Vegetation		V4 : Elderberries are blocking visibility a capability.	nd flood f			7.801876 ° 1.377291 °	64
17 2.67 2	.67 Earthen Levee	Vegetation		V4 : Elderberries are blocking visibility a capability.	nd flood f		37.801823 ° 37. -121.377068 ° -121	7.801823 ° 1.377068 °	65
¹⁸ 2.73 2	.73 Earthen Levee	Encroachments	CR C En	PR : Prunings			37.801575 ° 37 -121.375988 ° -12 DWR ID: DWR_RD205	1.375988°	
19 2.76 2	.76 Earthen Levee	Vegetation		V4 : Elderberries are blocking visibility a capability.	nd flood f		37.801497 ° 37 -121.375586 ° -121 DWR ID: DWR_RD205	1.375586°	
20 2.89 2	.89 Earthen Levee	Encroachments	WSA/W Ma	PI : Pipe			37.800894 ° 37 -121.373135 ° -121 DWR ID: DWR_RD205		Υ

Location LS: Land Side WS : Water Side CR : Crown Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	10/29/2013 10/29/2013	Maksim Khashchuk

				_			
LMR	Levee		Category	Item	Rating ** + ocation	Action/Comment	GPS Latitude/Longitude Issue No.
No.	Start	End			on + G		Start End Photo
21	2.94	2.94	Earthen Levee	Encroachments	WS C En	PR : Prunings	37.800698 ° 37.800698 ° 14 -121.372396 ° -121.372396 ° DWR_ID: DWR_RD2058_01_f _2013_14
22	3.41	3.41	Earthen Levee	Encroachments	CR A/W Ma	PI : Pipe Inspector Comments: Drainage discharge.	37.796421 ° 37.796421 ° 27 -121.366254 ° -121.366254 ° DWR.ID: DWR_RD2058_01_s_2012_27
23	3.57	3.57	Earthen Levee	Vegetation		V4 : Elderberries are blocking visibility and flood fight capability.	37.794396 ° 37.794396 ° 68 -121.364944 ° -121.364944 ° DWR.ID: DWR_RD2058_01_s _2012_68
24	3.76	3.76	Earthen Levee	Vegetation	WS M	V4 : Elderberries are blocking visibility and flood fight capability. Inspector Comments: Flagged bushes obstructing visibility and access.	37.791856 ° 37.791856 ° 974 -121.363514 ° -121.363514 °
25	3.85	3.85	Earthen Levee	Vegetation	WSA/W Ma	V8 : Environmental Requirements. Inspector Comments: Revegetation site.	37.790807 ° 37.790807 ° 20 -121.362905 ° -121.362905 ° Y DWR ID: DWR_RD2058_01_s _ 2012_20
26	4.01	4.01	Earthen Levee	Vegetation	LS M	V4 : Elderberries are blocking visibility and flood fight capability. Inspector Comments: Elderberry on landside hinge point.	37.789128 ° 37.789128 ° 26 -121.361042 ° -121.361042 ° Y
27	4.01	4.01	Earthen Levee	Vegetation		V4 : Elderberries are blocking visibility and flood fight capability.	37.789096 ° 37.789096 ° 69 -121.360966 ° -121.360966 ° DWR.ID: DWR_RD2058_01_s _2012_69
28	4.36	4.36	Earthen Levee	Vegetation		V4 : Elderberries are blocking visibility and flood fight capability.	37.789794 ° 37.789794 ° 71 -121.354883 ° -121.354883 ° DWR.ID: DWR_RD2058_01_s _ 2012_71

* Location LS: Land Side WS: Water Side CR: Crown ** Rating

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+ Issue Type
Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	10/29/2013 10/29/2013	Maksim Khashchuk

LMR No.	Levee	Mile End	Category	Item	Location	Rating ** +	Action/Comment	GPS Latitud	e/Longitude End	Issue No. Photo
29	4.49	4.53	Supplemental	DWR Erosion Survey	WS		Inspector Comments: 08/28/2013: No significant change observed. 07/26/2012: The site has been visited, and no significant change has been observed. 09/02/2011: This site was not visited due to the time limit. 09/22/2010: No significant changes observed. Minor pocket erosions are lined at the lower bank. Two large Oak and Willow trees are on mid-slope and bench. The remaining bench was re-measured and found to be approximately 10 feet. There was no indication of active erosion on site during the site visit. 08/05/2010: Recommended for annual assessment and monitoring of site during flood events, per CLRO. 07/23/2009: No major change observed since last visit; site is a 200-ft. long near-vertical berm erosion; recommend annual assessment and monitoring of erosion site, per CLRO CES Evaluation 2008 Report; Site # is the same site previously reported as RM4.0,LM4.51; previously rated "U". 09/10/2008: Two large trees (2-3' DBH) with partial roots exposed. 2007: Visited site 03/13/2007. [2013 Site ID:RD2058U01RM3.97]	37.789810 ° -121.352490 ° -	37.789810°.	2 Y
30	4.82	4.82	Earthen Levee	Erosion / Bank Caving	WS	U Ma	E1: Note and monitor erosion site. Inspector Comments: The erosion has about a 3 foot vertical cut at the waterside levee toe.	37.785862 ° -121.350303 ° -	37.785862 ° -121.350303 °	15 Y
31	5.16	5.16	Earthen Levee	Encroachments	LS	U En	RA: Ramp Inspector Comments: New ramp construction connecting dairy to levee. Construction of ramp results in a new pond on the landside of the levee. 2/21/2012, owner has said that he will contact the CVFPB to resolve this issue.	37.783102 ° -121.345682 ° -	37.783102 ° .121.345682 ° .	29 Y
32	5.37	5.37	Earthen Levee	Encroachments	LS	U En	RA: Ramp Inspector Comments: Ramp constructed to dairy. Raised ramps, see issue 29 are creating new holding ponds for dairy at levee toe.	37.782268 ° -121.342257 ° -	37.782268 ° -121.342257 °	30 Y
33	6.06	6.06	Earthen Levee	Animal Control	CR	C Ma	A3 : No rodents visible, but rodent burrows visible; need to backfill and compact or grout burrows.	-121.335233 ° ·	37.775015 ° -121.335233 ° -2058_01_f _ 2012_	5

* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

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+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2058 Pescadaro

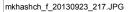
Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	10/29/2013 10/29/2013	Maksim Khashchuk

Levee Mile Report Line	4	
Start Levee Mile	0.23	
End Levee Mile	0.23	
Location	Land Side	
Category	Earthen Levee	
Item	Vegetation	
View of the wild rose habitat for the brush rabbit.		

mkhashch_f_20131031_703.JPG

Levee Mile Report Line	7
Start Levee Mile	0.72
End Levee Mile	0.72
Location	Land Side
Category	Earthen Levee
Item	Encroachments

View of discharge pipe on landside slope.



Levee Mile Report Line	8	
Start Levee Mile	1.24	
End Levee Mile	1.24	
Location	Crown	
Category	Earthen Levee	
Item	Encroachments	
Drainage discharge to Paradise Cut.		

mkhashch_f_20130923_223.jpg







* Location LS : Land Side WS : Water Side CR : Crown ** Rating

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U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type Ma : Mainter

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	10/29/2013 10/29/2013	Maksim Khashchuk

Levee Mile Report Line	9		
Start Levee Mile	1.72		
End Levee Mile	1.78		
Location	Water Side		
Category	Earthen Levee		
Item	Vegetation		
View if the overgrown vegetation on the waterside			

slope to be removed.

mkhashch_f_20131031_704.JPG

10
1.84
1.84
Land Side
Earthen Levee
Encroachments

View of the concrete with rebar placed on the landside slope.

mkhashch_f_20131031_705.JPG

Levee Mile Report Line	11
Start Levee Mile	2.13
End Levee Mile	2.13
Location	Crown
Category	Earthen Levee
Item	Encroachments
Drainage discharge to Pa	aradise Cut.







* Location

LS: Land Side

WS: Water Side

CR: Crown

mkhashch_f_20130923_224.jpg

** Rating

A : Acceptable
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U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	10/29/2013 10/29/2013	Maksim Khashchuk

Levee Mile Report Line	12
Start Levee Mile	2.15
End Levee Mile	2.15
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Direct view of siphon bre	aker

SJR2013_RD2058U01RM1.78_3.jpg

Levee Mile Report Line	14
Start Levee Mile	2.42
End Levee Mile	2.42
Location	Land Side
Category	Earthen Levee
Item	Vegetation
03/28/2012 Large elderbo	erry hush on landside

03/28/2012 Large elderberry bush on landside slope.

mkhashch_f_20130923_221.jpg

Levee Mile Report Line	15	
Start Levee Mile	2.64	
End Levee Mile	2.64	
Location	Water Side	
Category	Earthen Levee	
Item	Vegetation	
03/28/2012 Large elderberry bush located on		

waterward slope.

mkhashch_f_20130923_233.jpg







* Location LS: Land Side WS: Water Side CR: Crown ** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	10/29/2013 10/29/2013	Maksim Khashchuk

Levee Mile Report Line	20
Start Levee Mile	2.89
End Levee Mile	2.89
Location	Water Side
Category	Earthen Levee
Item	Encroachments
Irrigation intake from Par	adise Cut.

mkhashch_f_20130923_225.jpg

Levee Mile Report Line	25
Start Levee Mile	3.85
End Levee Mile	3.85
Location	Water Side
Category	Earthen Levee
Item	Vegetation
11/00/2011 Daylogatetion	aita aannat trim ar aut

11/08/2011 Revegetation site, cannot trim or cut vegetation in this area.

mkhashch_f_20130923_222.jpg	
Levee Mile Report Line	26
Start Levee Mile	4.01
End Levee Mile	4.01
Location	Land Side
Category	Earthen Levee
Item	Vegetation
Elderberry bushes on lan	dside slope.
mkhashch_f_20130923_226.JPG	i







* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	10/29/2013 10/29/2013	Maksim Khashchuk

Levee Mile Report Line	29
Start Levee Mile	4.49
End Levee Mile	4.53
Location	Water Side
Category	Supplemental
Item	DWR Erosion Survey
Direct view of the erosion	n near a tree.

SJR2013_RD2058U01RM3.97_2.jpg

Levee Mile Report Line	30
Start Levee Mile	4.82
End Levee Mile	4.82
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving

View of the erosion at the waterside levee toe.

mkhashch_f_20131031_708.JPG

Levee Mile Report Line	31
Start Levee Mile	5.16
End Levee Mile	5.16
Location	Land Side
Category	Earthen Levee
Item	Encroachments

11/08/2011 New ramp has been constructed by Dairy farmer connecting his barns to the levee.

mkhashch_f_20130923_227.jpg







Location LS: Land Side WS : Water Side CR : Crown Rating

M : Minimally Acceptable U : Unacceptable

N : Not Inspected/Rated : Corrected : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	10/29/2013 10/29/2013	Maksim Khashchuk

Levee Mile Report Line	31	
Start Levee Mile	5.16	
End Levee Mile	5.16	
Location	Land Side	
Category	Earthen Levee	
Item	Encroachments	
11/08/2011 New ramp has been constructed by		

Dairy farmer connecting his barns to the levee.

mkhashch_f_20130923_228.jpg

Levee Mile Report Line	31
Start Levee Mile	5.16
End Levee Mile	5.16
Location	Land Side
Category	Earthen Levee
Item	Encroachments

Completed new ramp constructed by Dairy farmer connecting his barns to the levee.

mkhashch_f_20130923_229.JPG

Levee Mile Report Line	32
Start Levee Mile	5.37
End Levee Mile	5.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/08/2011 Photo shows	existing middle ramp to

11/08/2011 Photo shows existing middle ramp to the levee which has been raised.

mkhashch_f_20130923_230.jpg







* Location

LS: Land Side

WS: Water Side

CR: Crown

** Rating

A : Acceptable
M : Minimally Acceptable
U : Unacceptable

N : Not Inspected/Rated C : Corrected VW : Acceptable but Monitor & Maintain

+ Issue Type

Levee Inspection Report By Mile - Fall 2013

Reclamation District No. 2058 Pescadaro

Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Paradise Cut	Left	6.71	10/29/2013 10/29/2013	Maksim Khashchuk

Levee Mile Report Line	32
Start Levee Mile	5.37
End Levee Mile	5.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments
11/08/2011 Photo shows view from the levee looking to the left of the middle ramp. mkhashch_f_20130923_231.jpg	
Levee Mile Report Line	32
Start Levee Mile	5.37
End Levee Mile	5.37
	· · · ·

Levee Mile Report Line	32
Start Levee Mile	5.37
End Levee Mile	5.37
Location	Land Side
Category	Earthen Levee
Item	Encroachments
Completed new ramp constructed by Dairy farmer connecting his barns to the levee.	

mkhashch_f_20130923_232.JPG



